



**DoD 5010.15.1-M**  
**VOLUME IV**

# **STANDARDIZATION OF WORK MEASUREMENT**

**Defense  
Work  
Measurement  
Standard  
Time  
Data  
Program**

Reproduced From  
Best Available Copy

## **VOLUME IV**

### **FARMING, FISHERY, FORESTRY, AND RELATED OCCUPATIONS**

DTIC QUALITY INSPECTED 4

**June 1975**

**DISTRIBUTION STATEMENT A**  
Approved for Public Release  
Distribution Unlimited

**19991217 113**



DEPARTMENT OF DEFENSE  
DEFENSE INDUSTRIAL RESOURCES SUPPORT OFFICE  
CAMERON STATION  
ALEXANDRIA, VIRGINIA 22314

CH 1  
DOD 5010.15.1-M  
VOLUME IV

DIRSO  
1 Dec 77

REPLY  
REFER TO

CHANGE NO. 1  
DOD 5010.15.1-M

STANDARDIZATION OF WORK MEASUREMENT  
FARMING, FISHERY, FORESTRY AND  
RELATED OCCUPATIONS

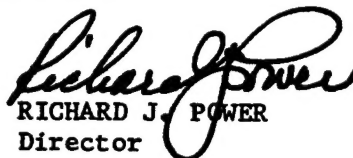
- I. DoD 5010.15.1-M, Volume IV, 1 Dec 75, is changed as follows:
- A. Page v, Part Two, Section I, Line 1: Delete the word "three" and substitute "four."
  - B. Page v, Part Two, Section I: Add the following paragraph:

The Verb Index which is an alphabetical listing of the "title" line of the DWMSTDP Operation/Element Description sequenced by the verb, page D-1.

- C. Add pages D-1 after page C-1.

II. This change is an administrative addition of an index for the elements published in the volume.

III. This change sheet will be filed in front of the publication for reference purposes, after changes have been made.

  
RICHARD J. POWER  
Director

DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	TNU VALUE	OCCUP- ATION	DWMSTOP ELEMENT	PAGE
COVER STOLON WITH SOIL USING HAND AS SCCC, PER LINEAR FOOT	228	407	MOHSC01	1
CUT FURROW WITH HOE, 4" WIDE, 3" DEEP, 10' LONG	2821	407	MTLFC01	3
CUT ONE SQUARE FOOT OF SOD IN 1 1/2 INCH STRIPS WITH CANE KNIFE	2405	407	STLSC01	3
FEED HAY TO BLOWER, PER BALE	1156	407	MOHMF01	1
FILL TANK ON SMALL GASLINE ENGINE, GRASS TRIMMER OR SIMILAR	1066	407	SJPTF01	1
FILL TRIMMER TANK WITH GAS	787	407	MPTTF01	2
LOAD SOD BY HAND, PER TWO SQUARE FEET	192	407	MOHSL01	1
MUVE SPRINKLER (AND HOSE) TO NEW LOCATION	176	407	MOHSH01	2
PLACE SOD TO ONE SIDE WITH SHOVEL	269	407	MOHSP01	2
PLACE STONE, PER STONE	270	407	SOHSP01	2
POSITION SOD CUTTING MACHINE FOR USE	156	407	MJPMF01	1
PREPARE ROW FOR PLANTING 1 1/2 INCH STRIPS OF SOD WITH PICK, 10 LINEAR FEET	254	407	MTLRP01	3
REMOVE NOZZLE FROM HOSE	VARIABLE	407	MTFNIXX	3
REMOVE SPRINKLER FROM WATER LINE	VARIABLE	407	SOHSAXX	2
REMOVE STOLON FROM BOX AND PLACE ON FURROW	294	407	MOHSR01	2
SCRIBE STONE AROUND WITH PICK, PREPARATORY TO DIGGING BED FOR STEPPING STONE	719	407	MTLSS01	3
START ENGINE, TWO-CYCLE, TWO-HORSEPOWER GASOLINE ENGINE OR SIMILAR WITH RCPE STARTER	VARIABLE	407	SACESXX	1
UNLOAD STONE FROM TRUCK, 20 X 20 X 2.5 INCHES, TO 105 LBS.	VARIABLE	407	MOHSUXX	2



ASSISTANT SECRETARY OF DEFENSE  
WASHINGTON, D.C. 20301

INSTALLATIONS AND LOGISTICS

18 Jun 75

FOREWORD

This volume of DoD 5010.15.1-M, "Standardization of Work Measurement," is one of a series published under the authority of DoD Directive 5010.15, Defense Integrated Management Engineering System (DIMES). It provides standard time data for Farming, Fishery, Forestry and Related Occupations as classified by Department of Labor codes, and includes guidelines for uniform application. Some of the tasks covered in the occupations are groundskeeping, mowing, and others of this nature.

Maximum use of the guidelines and standard time data is mandatory at each Department of Defense activity where Labor Performance Standards are developed and applied.

All of the included standard time data have been reviewed and approved by a Joint Service/Agency Standard Time Data Group prior to publication.

A handwritten signature in cursive script, reading "John J. Bennett", is positioned above the printed name.

John J. Bennett  
Acting Assistant Secretary of Defense  
(Installations and Logistics)

DISTRIBUTION

Defense Supply Agency:  
3 less 7,9,10

STANDARD TIME DATA  
FOR  
FARMING, FISHERY, FORESTRY  
AND RELATED OCCUPATIONS

TABLE OF CONTENTS

PART ONE - GUIDANCE

	<u>Paragraph</u>	<u>Page</u>
Chapter I - General Information		
Purpose	1.1	1
Scope	1.2	1
Application	1.3	1
Submission of New DWMSTDP Elements	1.4	2
Chapter II - Coding		
General	2.1	2
Types of Codes	2.2	2
Fundamental Standard Time Data	2.3	3
List of Illustrations		
DWMSTDP Coding Structure (Figure 1)		2
Farming, Fishery, Forestry and Related Occupation Codes (Figure 2)		4
Work Description of DWMSTDP Farming, Fishery, Forestry and Related Occupation Codes (Figure 3)		6
Major Categories of Work Used in Coding Farming, Fishery, Forestry and Related Occupations Data (Figure 4)		7
PART TWO - FARMING, FISHERY, FORESTRY AND RELATED OCCUPATIONS STANDARD TIME DATA		
Section I - Indexes		
A - Occupation Code Index		A-1
B - DWMSTDP Element Index		B-1
C - Noun-Verb Index		C-1
Section II - DWMSTDP Element Listing		1 thru 3

DEFENSE WORK MEASUREMENT STANDARD TIME  
DATA PROGRAM (DWMSTDP)

FARMING, FISHERY, FORESTRY AND RELATED OCCUPATIONS

PART ONE - GUIDANCE

CHAPTER I - GENERAL INFORMATION

1.1 PURPOSE

This volume of Farming, Fishery, Forestry and Related Occupations Standard Time Data is one of ten volumes of standard time data in the 11 volume series included in DWMSTDP. Farming, Fishery, Forestry and Related Occupations as categorized by the Department of Labor includes those occupations concerned with growing, harvesting, catching and gathering land and aquatic plant and animal life and the products thereof; and occupations concerned with providing services in support of these activities. This volume provides a single DoD source for Standard Time Data which can be used in the development of labor standards for:

- 1.1.1 Organizations, activities, or functional areas whose primary missions correlate to Farming, Fishery, Forestry and Related Occupations, e.g., an activity whose primary responsibility is groundkeeping, gardening, logging, farming, etc.
- 1.1.2 For Farming, Fishery, Forestry and Related occupations within organizations, activities, or functional areas engaged in other than Farming, Fishery, Forestry and Related occupations; e.g., A groundskeeper assigned to a construction operation.
- 1.1.3 Work performed by personnel whose primary jobs are other than farming, fishery, forestry, and related occupations, but who may actually do that type work as a part of their jobs: e.g., an ammunition handler performing groundkeeping duties within an ammunition depot.

1.2 SCOPE

This publication applies to all military services and defense agencies. The data contained herein will be used to the maximum extent practicable in the development of labor performance standards in compliance with DoD Directive 5010.15.

1.3 APPLICATION

The Farming, Fishery, Forestry and Related Occupations Standard Time Data contained must be applied in accordance with the general information contained in the Basic Volume and the specific instructions contained in this volume.

#### 1.4 SUBMISSION OF NEW DWMSTDP ELEMENTS

All newly developed or existing Farming, Fishery, Forestry, and Related Occupations Standard Time Data not now included herein will be submitted with back-up motions patterns analysis to the Defense Industrial and Management Engineering Office (DIMEO) for review and possible inclusion in the updating changes to this volume. The Basic Volume contains procedures for submitting this input.

### CHAPTER II - CODING

#### 2.1 GENERAL

2.1.1 Information requirements applicable to DWMSTDP have been standardized. Applicable DoD Standard Data elements have been utilized and all other data elements have been proposed for data representation standardization action in accordance with the provisions of DoD Instruction 5000.12, "Data Elements and Codes Standardization Procedures" and DoD 5000.12-M.

2.1.2 The complete coding structure for a Defense Work Measurement Standard Time Data Program element is explained in the Basic Volume. Figure 1 highlights a typical Occupation Code, Work Category Code, and Work Sub-Category Code for Farming, Fishery, Forestry, and Related Occupations Data.

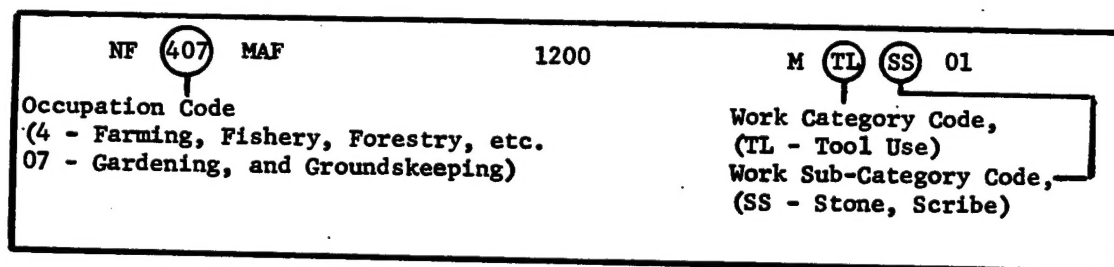


Figure 1 - DWMSTDP Coding Structure

#### 2.2 TYPES OF CODES

##### 2.2.1 Occupation Codes

The Occupation Codes for DWMSTDP elements in this volume conform to the numeric codes of Farming, Fishery, Forestry, and Related Occupations listed in the U.S. Department of Labor Dictionary of Occupational Titles. All Department of Labor Farming, Fishery, Forestry, and Related Occupations are shown in Figure 2. Figure 3 identifies the work ascribed to the specific occupations contained in this volume. There are occasions when a standard time data element may have common application to two or more divisions of the total 4 Farming, Fishery, Forestry, and Related Occupational category. If this is the case, an X is used in both the Occupation Division position (second numeric) and the Group position (third numeric), e.g., 4XX. If the common application occurs only within the Occupation Division, an X is used in the Group position only (third numeric) e.g., 40X, 42X.

### 2.2.2 Work Category Code

The two position Work Category Code encircled in Figure 1 further identifies the various types of work performed within the occupation groups. This classification category indicates the major action being performed or major equipment involved in the DWMSTDP element. Figure 4 lists and defines the work categories used in coding Farming, Fishery, Forestry, and Related Occupations standard time data.

### 2.2.3. Work Sub-Category Code

The two position Work Sub-Category Code encircled in Figure 1 is a sub-division of the Work Category Code and identifies the object, process, or condition associated with the action or equipment. This code is generally oriented to a noun-verb relationship, e.g., SS is the code for "Stone, Scribe" in the element description header line. However, if the noun-verb sequence in the element code causes a duplication of the code, the sequence has been modified. The noun-verb sequence will remain in the verbage of the title whenever possible.

### 2.3 FUNDAMENTAL STANDARD TIME DATA

Every occupation includes general purpose data such as get, place, read or write which are fundamental to each occupation but not specific to any one. These are called "Universal" and are contained in Volume X - Universal Standard Time Data.



4 - FARMING, FISHERY, FORESTRY, AND RELATED OCCUPATIONS

(FARMING, FISHERY, FORESTRY, AND RELATED WORK)

40 Plant Farming Occupations  
(Plant Farming)

- 401. Grain farming occupations  
(Grain farming)
- 402. Cotton farming occupations  
(Cotton farming)
- 403. Vegetable farming occupations  
(Vegetable farming)
- 404. Fruit and nut farming occupations  
(Fruit and nut farming)
- 405. Crop specialty farming occupations  
(Crop specialty farming)
- 406. Horticultural specialty occupations  
(Horticultural specialty work)
- 407. Gardening and groundskeeping occupations  
(Gardening and groundskeeping)
- 409. Plant farming occupations, n.e.c.  
(Plant farming, n.e.c.)

41 Animal Farming Occupations  
(Animal Farming)

- 411. Dairy farming occupations  
(Dairy farming)
- 412. Poultry farming occupations  
(Poultry farming)
- 413. Livestock farming occupations  
(Livestock farming)
- 419. Animal farming occupations, n.e.c.  
(Animal farming, n.e.c.)

42 Miscellaneous Farming and Related Occupations  
(Miscellaneous Farming and Related Work)

- 421. General farming occupations  
(General farming)
- 422. Farm irrigation workers  
(Farm irrigation)
- 423. Farm couples  
(Farm couples)
- 424. Farm machinery operators, n.e.c.  
(Farm machinery operating, n.e.c.)
- 429. Miscellaneous farming and related occupations, n.e.c.  
(Miscellaneous farming and related work, n.e.c.)

n.e.c. - not elsewhere classified

Figure 2 - Farming, Fishery, Forestry, and Related Occupations Codes

43 Fishery and Related Occupations  
(Fishery and Related Work)

- 431. Net, seine, and trap fishermen  
(Net, seine, and trap fishing)
- 432. Line fishermen  
(Line fishing)
- 433. Fishermen, miscellaneous gear  
(Fishing, miscellaneous gear)
- 435. Whaling occupations  
(Whaling)
- 436. Marine life cultivation and related occupations  
(Marine life cultivation and related work)
- 437. Sponge and seaweed gatherers  
(Sponge and seaweed gathering)
- 439. Fishery and related occupations, n.e.c.  
(Fishery and related work, n.e.c.)

44 Forestry Occupations  
(Forestry)

- 441. Forest conservation occupations  
(Forest conservation work)
- 442. Occupations in production of forest products, except logging  
(Forest products production, except logging)
- 449. Forestry occupations, n.e.c.  
(Forestry, n.e.c.)

45 Hunting, Trapping, and Related Occupations  
(Hunting, Trapping, and Related Services)

- 451. Hunting and trapping occupations  
(Hunting and trapping)
- 452. Hunting and fishing guides  
(Guide services, hunting and fishing)

46 Agricultural Service Occupations  
(Agricultural Services)

- 461. Cotton ginning and compressing occupations  
(Cotton ginning and compressing)
- 465. Blight and pest control and bindweed eradication occupations  
(Blight and pest control and bindweed eradication)
- 466. Animal caretaking occupations  
(Animal care)
- 467. Animal husbandry service occupations  
(Animal husbandry services)
- 469. Agricultural service occupations, n.e.c.  
(Agricultural services, n.e.c.)

n.e.c. - not elsewhere classified

Figure 2 - Farming, Fishery, Forestry, and Related Occupations Codes (Continued)

DWMSTDP FARMING, FISHERY, FORESTRY AND RELATED OCCUPATIONS CODE		
<u>Code</u>	<u>Occupation</u>	<u>Work Description</u>
407	Gardening and Groundskeeping Occupations (Gardening and Groundskeeping)	Caring for such areas as gardens, grounds, parks, and cemeteries.

Figure 3 - Work Descriptions of DWMSTDP Farming, Fishery, Forestry and Related Occupations Codes

FARMING, FISHERY, FORESTRY AND RELATED OCCUPATIONS WORK CATEGORY CODES

<u>Work Category</u>	<u>Code</u>	<u>Definition</u>
Actuate	AC	Manual manipulation of an object for engaging, disengaging, starting or stopping a device. (Examples: crank, dial set with knob, move lever.)
Job Preparation	JP	The actions required to prepare an object(s), work place, or employee, or any combination of the three for ensuing work. NOTE: Excluded from this category are layout, packaging and machine setup.
Object Handling	OH	The process of manually moving an object for the purpose of changing its location, position, or alignment. The movement path may or may not be fixed. The primary purpose of this handling is not to activate another object or device.
Process Time	PT	The interval of time made up of a combination of manual and machine time components, so integrated that it would be impossible or impractical to separate and analyze them with Methods Time Measurement. Process time may be obtained by stopwatch, manufacturers' specifications or formulae.
Threaded Fastener	TF	Tightening or loosening a threaded object--bolt, nut, screws, or hand-knob by hand. (Examples: fingerturn-per thread, spin, tighten or loosen-moderate pressure.)
Tool Use Hand Operation - Non-powered	TL	The use or preparation for use of any non-powered implement, instrument or utensil held in the hand and used for cutting, hitting, digging, rubbing, etc. (Examples: knife, saw, hammer, shovel, rake, prybar, needle for sewing.)

Figure 4 - Major Categories of Work Used in Coding Farming, Fishery, Forestry and Related Occupations Data

DEFENSE WORK MEASUREMENT STANDARD TIME  
DATA PROGRAM (DWMSTDP)

FARMING, FISHERY, FORESTRY  
AND RELATED OCCUPATIONS

PART TWO - STANDARD TIME DATA

SECTION I - INDEXES

This provides three indexes as follows:

The Occupation Code Index which includes the page location for each Code in both the DWMSTDP Element Index and the DWMSTDP Element Listing, Page A-1.

The DWMSTDP Element Index which is sequenced according to the DWMSTDP Element Code, page B-1.

The Noun/Verb Index which is an alphabetical listing of the "title" line of the DWMSTDP operation/element description, page C-1.

OCCUPATION CODE INDEX

<u>Code</u>	<u>Occupation</u>	<u>DWMSTDP Element Index</u>	<u>Page</u>	<u>DWMSTDP Element Listing</u>
407	Gardening and Groundskeeping Occupations (Gardening and Groundskeeping)	B-1		1

DEFENSE WORK-MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
407	MAF	SACESXX	VARIABLE	ENGINE, START, TWO-CYCLE, TWO-HORSEPOWER GASOLINE ENGINE OR SIMILAR WITH ROPE STARTER	1
407	MAF	MJPMP01	156	MACHINE(SOD CUTTING), POSITION FOR USE	
407	TUF	SJPTF01	1066	TANK, FILL ON SMALL GASOLINE ENGINE, GRASS TRIMMER OR SIMILAR	
407	MAF	MOHHF01	1156	HAY, FEED TO BLOWER, PER BALE	
407	MAF	MOHSC01	228	STOLON, COVER WITH SOIL USING HAND AS SCOOP, PER LINEAR FOOT	
407	MAF	MOHSL01	192	SOD, LOAD BY HAND, PER TWO SQUARE FEET	
407	MAF	MOHSH01	176	SPRINKLER (AND HOSE), MOVE TO NEW LOCATION	2
407	MAF	MOHSP01	269	SOD, PLACE TO ONE SIDE WITH SHOVEL	
407	MAF	MOHSR01	294	STOLON, REMOVE FROM BOX AND PLACE IN FURROW	
407	MAF	MOHSUXX	VARIABLE	STONE, UNLOAD FROM TRUCK, 20X20X2.5 INCHES, 105 POUNDS	
407	MAF	SOHSAXX	VARIABLE	SPRINKLER, ATTACH TO AND REMOVE FROM WATER LINE	
407	MAF	SOHSP01	270	STONE, PLACE, PER STONE	
407	TUF	MPPTF01	787	TANK (TRIMMER), FILL WITH GAS	
407	MAF	MTFNIXX	VARIABLE	NOZZLE, INSTALL AND REMOVE FROM HOSE	3
407	MAF	MTLFC01	2821	FURROW, CUT WITH HOE, 4" WIDE, 3" DEEP, 10" LONG	
407	MAF	MTLRP01	254	ROW, PREPARE FOR PLANTING 1 1/2 INCH STRIPS OF SOD WITH PICK, 10 LINEAR FEET	
407	MAF	MTLSS01	719	STONE, SCRIBE AROUND WITH PICK, PREPARATORY TO DIGGING BED FOR STEPPING STONE	
407	MAF	STLSC01	2405	SOD, CUT ONE SQUARE FOOT IN 1 1/2 INCH STRIPS WITH CANE KNIFE	

DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTOP ELEMENT	PAGE
ENGINE, START, TWO-CYCLE, TWO-HORSEPOWER GASOLINE ENGINE OR SIMILAR WITH ROPE STARTER	VARIABLE	407	SACESXX	1
FURROW, CUT WITH HOE, 4" WIDE, 3" DEEP, 10" LONG	2821	407	MTLFC01	3
HAY, FEED TO BLOWER, PER BALE	1156	407	MOHHF01	1
MACHINE (SOD CUTTING), POSITION FOR USE	156	407	MJPMP01	1
NOZZLE, INSTALL AND REMOVE FROM HOSE	VARIABLE	407	MTFNIXX	3
ROW, PREPARE FOR PLANTING 1 1/2 INCH STRIPS OF SOD WITH PICK, 10 LINEAR FEET	254	407	MTLRP01	3
SOD, CUT ONE SQUARE FOOT IN 1 1/2 INCH STRIPS WITH CANE KNIFE	2405	407	STLSC01	3
SOD, LOAD BY HAND, PER TWO SQUARE FEET	192	407	MOHSLC1	1
SOD, PLACE TO ONE SIDE WITH SHOVEL	269	407	MOHSP01	2
SPRINKLER (AND HOSE), MOVE TO NEW LOCATION	176	407	MOHSM01	2
SPRINKLER, ATTACH TO AND REMOVE FROM WATER LINE	VARIABLE	407	SOMSAXX	2
STOLCN, COVER WITH SOIL USING HAND AS SCOOP, PER LINEAR FOOT	228	407	MOHSC01	1
STOLCN, REMOVE FROM BOX AND PLACE IN FURROW	294	407	MOHSR01	2
STCNE, PLACE, PER STONE	270	407	SOMSP01	2
STCNE, SCRIBE AROUND WITH PICK, PREPARATORY TO DIGGING BED FOR STEPPING STONE	719	407	MTLSS01	3
STONE, UNLOAD FROM TRUCK, 20X20X2.5 INCHES, 105 POUNDS	VARIABLE	407	MOHSUXX	2
TANK (TRIMMER), FILL WITH GAS	787	407	MPTTF01	2
TANK, FILL ON SMALL GASOLINE ENGINE, GRASS TRIMMER OR SIMILAR	1066	407	SJPTF01	1



DEFENSE WORK MEASUREMENT STANDARD TIME DATA PROGRAM

PART II - FARMING, FISHERY, FORESTRY AND RELATED OCCUPATIONS STANDARD TIME DATA

SECTION II - DWMSTDP ELEMENT LISTING

# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NF	407	MAF	2390	SACESXX	VARIABLE	ENGINE, START, TWO-CYCLE, TWO-HORSEPOWER GASOLINE ENGINE OR SIMILAR WITH ROPE STARTER STARTS-WITH REACH TO STARTER ROPE LOOPE OVER HANDLE INCLUDES-ALL MOTIONS NECESSARY TO LOOSEN LOOP, REMOVE ROPE, ENGAGE CHOKE ON ENGINE, PLACE KNOT ON ROPE IN SLOT IN FLYWHEEL PULLEY, WRAP ROPE AROUND PULLEY, PULL ROPE, DISENGAGE CHOKE, AND LOOP ROPE OVER HANDLE ENDS-WITH RELEASE OF ROPE CONDITIONS-BODY MOTIONS (BENDING, WALKING, ETC.) NOT INCLUDED 296 146 CASE 01 FIRST OR SINGLE PULL OF ROPE 02 EACH ADDITIONAL PULL OF ROPE (ENGAGE AND DISENGAGE CHOKE, WRAP AND PULL ROPE)
NF	407	MAF	1194	MJPNP01	156	MACHINE (SOD CUTTING), POSITION FOR USE STARTS-WITH REACH TO SOD CUTTING MACHINE INCLUDES-ALL MOTIONS NECESSARY TO MOVE MACHINE TO AREA TO CUT, LOWER MACHINE (BEND), ARISE, GET HANDLE, AND ALIGN MACHINE TO CUT STRIP ENDS-WITH RELEASE OF MACHINE CONDITIONS-DOES NOT INCLUDE WALKING WITH MACHINE TO WORK AREA
NF	407	TUF	PWR3-II	SJPTF01	1066	TANK, FILL ON SMALL GASOLINE ENGINE, GRASS TRIMMER OR SIMILAR STARTS-WITH REACH TO GAS TANK CAP INCLUDES-ALL MOTIONS NECESSARY TO UNSCREW CAP (TWO REVOLUTIONS), ASIDE CAP, REACH TO SPOUT ON GAS CONTAINER, REMOVE SPOUT FROM SPRING CLAMP, POSITION SPOUT FOR POURING, PICK UP GAS CONTAINER, POSITION SPOUT TO GAS TANK, FILL TANK, SET CONTAINER DOWN, REPLACE SPOUT IN SPRING CLAMP, AND REPLACE CAP ON GAS TANK ENDS-WITH RELEASE OF CAP CONDITIONS-NO TIME INCLUDED FOR GET OR PUT AWAY GAS SUPPLY CONTAINER
NF	407	MAF	686	MOHMF01	1156	HAY, FEED TO BLOWER, PER BALE STARTS-WITH REACH TO BALE OF HAY INCLUDES-ALL MOTIONS NECESSARY TO SEPARATE HANDFUL OF HAY FROM BALE, SHAKE HAY TO SEPARATE, AND DROP HAY INTO BLOWER ENDS-WITH RELEASE OF HAY CONDITIONS-TIME TO OPEN BALE NOT INCLUDED
NF	407	MAF	1199	MOHSC01	228	STOLON, COVER WITH SOIL USING HAND AS SCOOP, PER LINEAR FOOT STARTS-WITH REACH TO SOIL INCLUDES-ALL MOTIONS NECESSARY TO GET HANDFUL OF SOIL, SPRINKLE SOIL IN FURROW, AND PRESS SOIL ON STOLON ENDS-WITH ONE LINEAR FOOT COVERED CONDITIONS-THREE SCOOPS REQUIRED PER FOOT
NF	407	MAF	2828	MOHSL01	192	SOD, LOAD BY HAND, PER TWO SQUARE FEET STARTS-WITH BEND TO SOD INCLUDES-ALL MOTIONS NECESSARY TO PICK UP ONE SQUARE FOOT OF SOD, SIDESTEP, PLACE FIRST PIECE OF SOD ON SECOND, PICK UP BOTH PIECES OF SOD (ARISE), TURN, AND PLACE SOD ON TRUCK ENDS-WITH RELEASE OF SOD CONDITIONS-SOD WEIGHS 10 POUNDS PER SQUARE FOOT, SOD PREVIOUSLY CUT IN ONE-SQUARE FOOT SECTIONS, TIME TO WALK TO AND FROM TRUCK NOT INCLUDED

# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	OWNSTDP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION
NF	407	MAF	3382	MTFNIXX	VARIABLE	NOZZLE, INSTALL AND REMOVE FROM HOSE STARTS=WITH NOZZLE IN HAND INCLUDES=ALL MOTIONS NECESSARY TO STOOP, GET END OF HOSE, SCREW NOZZLE ON HOSE, AND TIGHTEN NOZZLE, ARISE, UNSCREW NOZZLE FROM HOSE, DROP HOSE ENDS=WITH ARISE FROM STOOP OR WITH NOZZLE IN HAND CASE 01 INSTALL 02 REMOVE
NF	407	MAF	667	MTLFC01	255 154	FURROW, CUT WITH HOE, 4" WIDE, 3" DEEP, 10" LONG STARTS=WITH HOE IN HAND INCLUDES=ALL MOTIONS NECESSARY TO DIG A FURROW WITH A HOE ENDS=WITH HOE IN HAND
NF	407	MAF	1193	MTLRP01	254	ROW, PREPARE FOR PLANTING 1 1/2 INCH STRIPS OF SOD WITH PICK, 10 LINEAR FEET STARTS=WITH PICK IN HAND, BEND TO DIG FURROW INCLUDES=ALL MOTIONS NECESSARY TO OPEN 10-FOOT V-SHAPED FURROW IN PREVIOUSLY PREPARED SOIL USING PICK ENDS=WITH ARISE FROM BEND, PICK IN HAND
NF	407	MAF	1200	MTLSS01	719	STONE, SCRIBE AROUND WITH PICK, PREPARATORY TO DIGGING BED FOR STEPPING STONE STARTS=WITH STOOP TO PICK, STONE PREVIOUSLY PLACED INCLUDES=ALL MOTIONS NECESSARY TO GET PICK, ARISE, MOVE PICK TO STONE, BEND, MARK GROUND AROUND STONE ON EACH OF FOUR SIDES, ARISE, AND STEP AND TURN TO NEXT SIDE. NOTE: THE BEND, MARK, ARISE, STEP, AND TURN MOTIONS OCCUR FOR EACH OF FOUR SIDES. ENDS=WITH PICK IN HAND
NF	407	MAF	1189	STLSC01	2405	SOD, CUT ONE SQUARE FOOT IN 1 1/2 INCH STRIPS WITH CANE KNIFE STARTS=WITH STOOP TO SOD INCLUDES=ALL MOTIONS NECESSARY TO GET ONE SQUARE FOOT OF SOD, PLACE ON CUTTING BOARD, PICK UP CANE KNIFE, CUT SOD IN STRIPS 1 1/2X12 INCHES, AND ASIDE KNIFE ENDS=WITH ARISE FROM STOOP

\* U. S. GOVERNMENT PRINTING OFFICE : 1975 581-862/239